



# Looking Forward

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- **Version Control !!**
  - Everything is set up and ready to go
  - Please use it!

- On Linux: native support + provided scripts
- Windows: download TortoiseSVN
- Two structures:
  - **Repository** – Database-format describing changes between versions. Kept only on the server. Repo's reside on elecsim3
  - **Working copy** – The files themselves that are being version controlled. Exists both on the server and on your local computer.
- Three basic commands:
  - **SVN checkout**: makes your current local directory to be a working copy (directory) for a particular repo (tells svn that this now is part of a repo). Ran only once!
  - **SVN Update**: update your local working copy from the server's copy (server → you)
  - **SVN commit**: update the server copy from your local copy (server ← you)

- SVN authentication uses SSH auth.
- (Linux) Setup:
  - Run only once: `. /a/home/elecsim3/projadmin/svndata/first_time_setup`
  - Run per repo checkout: `svn co svn+ssh://<server-repo-directory> .`
  - Per repo checkout, let the update/commit script know where to look: put the path of your local working copy into ~/bin/list\_of\_wc.csv delimited by commas.
- (Windows) Setup:
  - Right click a folder → TortoiseSVN → checkout
- Before each work session, run SVN update: `update_all.sh`
- After each work session, run SVN commit: `commit_all.sh`
- (Windows) SVN update and commit: right-click the working copy folder → SVN update or commit



- Each person will have at least one repo, depending on which parts of the project they are involved in.
- SVN lock, revert, diff, etc...
- Can also be used for other things, e.g. PCB design, test results, sharing documents, etc.
- Sync over multiple computers:
  - More than one local working copy can be checked out over multiple computers
  - Chen-kai & I can work exclusively on UT servers
  - Upon SVN commit, our latest libraries will be available on NEVIS server
  - Eliminates the need for manual file transfers (much safer!) and server hopping

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## Please use it!!!!

(I will work one-on-one with each of you to get it set up)